PDR RID Report

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RID ID **PDR** 63
Review FOS
Originator Ref RT003
Priority 2

Section **Page** **Figure Table**

Category Name Design **Actionee** HAIS

Sub Category

Subject Real-time Display of Diagnostics Data

Description of Problem or Suggestion:

The diagnostics dump data from the AM-1 spacecraft may contain information that should be displayed in real-time. The current design has diagnostics dump data being stored for off-line analysis.

Originator's Recommendation

Assess the impact of providing the capability of displaying at least certain portions of the diagnostics dump data in real-time.

GSFC Response by: **GSFC Response Date**

HAIS Response by: D. Herring **HAIS Schedule** 1/13/95

HAIS R. E. D. Dunn **HAIS Response Date** 1/24/95

Our current design utilizes the Telemetry subsystem to extract dump information from the diagnostic telemetry stream. Immediately upon completion of the dump, which for the SCC activity log will be only seconds, this information is available for display and reporting. The term "off-line" is misleading since the FOT will be able to view and analyze this information immediately following collection. This data is made available to (and may be displayed at) an FOT User Station during the real-time contact via Command Management dump analysis tools.

The ability to decommutate and display this data as it is received in real-time is not in our current baseline. This capability could be analyzed as a future enhancement to the FOS.

Status **Closed** **Date Closed** **2/1/95** **Sponsor** **Johns**

****** **Attachment if any** ******